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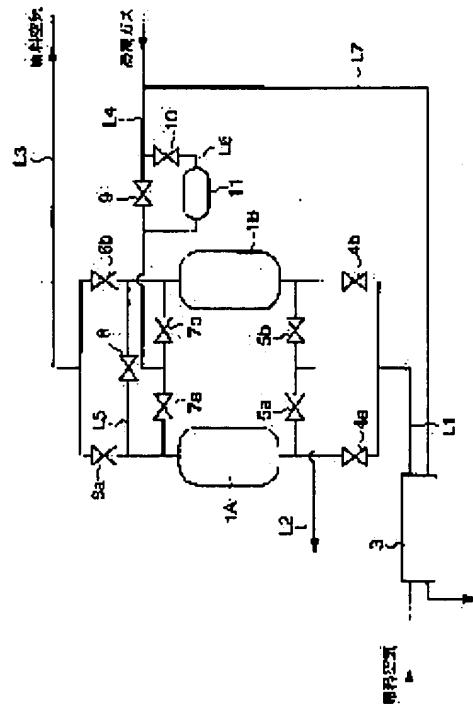
(21) Application number : 2000-212253 (71) Applicant : KOBE STEEL LTD
 (22) Date of filing : 13.07.2000 (72) Inventor : TANAKA MASAYUKI

(54) PRETREATING DEVICE FOR AIR SEPARATING DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To carry out preliminary dehumidification of raw material air with a simplified structure and to effectively reduce the running cost necessary for preliminary dehumidification.

SOLUTION: A pretreating device is constituted so that raw material air is dehumidified preliminarily in a dehumidifier 3, the dehumidified air is introduced into adsorption units 1A, 1B to remove moisture content and gaseous carbon dioxide and then the air from the adsorption units is introduced into a cold box. The dehumidifier 3 is constituted of a separation membrane moduel. Specifically, the dehumidifier 3 is constituted so that a hollow fiber is used as the separation membrane and the moisture content in the raw material air is permeated from the inside of the hollow fiber to the outside and removed by making the raw material air flow in the hollow fiber.



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